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Applicant	:	Schachar NADLER
Appl. No	:	09/664,705
Filed	:	September 19, 2000
Title	:	METHOD AND APPARATUS FOR MONITORING TRACE CONSTITUENTS IN ATMOSPHERIC GASES, UTILIZING A LASER BEAM
Grp./A.U.	:	2877
Examiner	:	Richard Rosenberger
Docket No.	:	8389-013

Honorable Commissioner of Patents
Washington, D.C
20231

August 23, 2002

AMENDMENT

Sir:

In response to the office action of February 25, 2002, please amend the above-identified application as follows:

In the Claims:

Please amend claims 21, 38, and 45 as follows:

21. (Amended) An apparatus for monitoring selected trace constituents in exhaust gases, the apparatus comprising:

(a) a laser tuneable over a range of frequencies for generating a laser beam;

(b) control means to control the frequency of the laser to scan rapidly across an absorption range encompassing an absorption line of a selected trace constituent of interest;

(c) transmission means to transmit the laser beam through the exhaust gas;

(d) detection means for detecting the laser beam after transmission through the exhaust gas; and

(e) processing means for providing the concentration of the selected trace constituent by comparing the detected laser beam to the transmitted laser beam.